STATE OF CONNECTICUT

OFFICE OF EARLY CHILDHOOD

<u>EMPLOYMENT OPPORTUNITY</u>

INFORMATION TECHNOLOGY SUBJECT MATTER EXPERT

<u>PLEASE FOLLOW THE SPECIFIC APPLICATION FILING INSTRUCTIONS ON THE LAST PAGE</u>

Open to: See Eligibility Requirement

Location: 165 Capitol Avenue, Hartford, CT 06106

Hours: 8:00 a.m. – 5:00 p.m.

Job Posting#:   97478

Salary Range: $91,719 - $117,360*

Closing Date: November 1, 2013

<u>ELIGIBILITY REQUIREMENT:</u>
Candidates must have applied for and passed the Information Technology Subject Matter Expert exam and be on the current certification list promulgated by the Department of Administrative Services for this classification. State employees currently holding the above title or those who have previously attained permanent status may apply for lateral transfer. Applicants will not have the opportunity to take the exam prior to the above closing date to qualify for this particular vacancy.

Note: * New hires to state employment start at the minimum of the above salary range.

<u>EXAMPLE OF DUTIES:</u>
Acts as a full project manager; participates in the development of architectural designs; recommends policies, procedures, and associated technical implementation standards; researches, designs, analyzes, develops and enhances new and highly complex infrastructure projects in support of agency information systems; participates in the design and configures infrastructure systems that optimize information access capabilities and ensure the security and integrity of these systems; provides consulting in a technology area, such as IT Security, Network Architecture (including LAN/WAN design), Platform Architecture (including mainframe and desktop hardware and software selection), Middleware Architecture (including messaging and Physical Data Architecture); acts as a consultant to management and individual employees regarding area of expertise including technical leadership and consultation in the areas of architecture and application design, systems programming, system integration, and/or database management or the analysis and development of highly complex technologies affecting multiple infrastructure areas; serves as Subject Matter Expert on various IT project teams; researches and analyzes technology trends and assists in the development of infrastructure technology strategy and standards; troubleshoots existing infrastructure systems to identify errors or deficiencies; recommends and implements software, hardware and configuration changes to improve system performance; participates in defining architecture and technology standards to optimize system performance and integrity; participates in long-term infrastructure technology strategy development and planning; recommends new tools, technologies, and platforms to be implemented; assists in the development of a comprehensive disaster recovery plan; provides technical leadership; provides assistance with escalated Tier III support issues; works on multiple projects

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including complex integration efforts and transitioning applications to new technologies; defines and develops the project scope of multiple complex projects; makes recommendations towards buy versus build decisions surrounding applications; designs component architectures, making use of multiple tiers to provide insulation to changes from application interfaces and databases; participates in the evaluation and selection process for application packages to meet solutions; recommends testing tools, middleware, and database management systems; document changes to architecture and conversion plans; develops and maintains system and application architecture diagrams; assists in organization wide data modeling and database design; participates in the definition of data architecture standards, policies and procedures for the organization structure, attributes and nomenclature of data elements; assists in the design and construction of data architectures, operational data stores, and data marts; performs related duties as required.

QUALIFICATIONS:
Knowledge, Skill and Ability:

Considerable knowledge of current methods of information systems analysis, design and development; considerable knowledge of principles, practices and techniques of information technology; considerable knowledge of applications systems development principles, techniques and development; considerable knowledge of principles and techniques of computer programming and languages; considerable knowledge of principles and theories of business planning functions; considerable knowledge of project management principles and techniques; considerable knowledge of principles and techniques of systems analysis and design; considerable knowledge of computer operating systems and databases; considerable knowledge of business re-engineering process; considerable knowledge of principles of data modeling and related tools; considerable knowledge of distributed systems architecture, network, middleware and object oriented analysis; considerable interpersonal skills; considerable oral and written communication skills; considerable analytical and problem solving skills; considerable ability to develop and implement system security and disaster recovery plans; considerable ability to identify, analyze and resolve highly complex business and technical problems; considerable ability to conduct highly complex detailed analysis and design of major computer systems and networks; considerable ability to develop reports, manuals and documentation.

Minimum Experience and Training Required:

Nine (9) years of experience in infrastructure systems support, programming, database administration, systems/software development, networking or technical support.

Special Experience:
Two (2) years of the General Experience must have been performing advanced technical level duties or as a working supervisor in one of the following areas:

1. Designing, configuring and implementing complex networks.
2. Configuring, installing and upgrading host based applications packages and host and/or operating system software.
3. System software/application development.

Preferred Experience and Training:

The preferred candidate must be able to work independently on all aspects of a technical application project including managing application projects. The candidate needs to have a proven track record of successfully following a project lifecycle methodology and working with all stakeholders in gathering business requirements. The candidate will be technically highly proficient in all aspects of an application project from beginning to end which includes, but is not limited to, business analysis, data modeling, database architecture, hands-on programming, testing practices, application deployment, supporting hardware/software infrastructure sizing/architecture and application/system security. The preferred candidate will have experience in the following technologies:

- Microsoft Visual Studio
- VB.Net and C#
- ADO.Net
- Model View Controller
- Web interface design
- SQL Server architecture, administration and programming
- Team Foundation Server

Application Procedure:
All required documents must be received by close of business on the closing date to be considered for interview.
Applications will be accepted by fax or regular mail. Interested candidates must submit a letter of application and resume with details of experience and training, three (3) current professional references and an Application for Examination or Employment (CT-HR-12) which may be obtained from the Department of Education website at http://www.sde.ct.gov to:

Kim Barberi
Assistant Human Resources Administrator
Department of Education
Bureau of Human Resources
165 Capitol Avenue – Room G-16
Hartford, CT 06106
Telephone: (860) 713-6691
Fax: (860) 713-7011

The Office of Early Childhood is committed to a policy of equal opportunity/affirmative action for all qualified persons. The Office of Early Childhood does not discriminate in any employment practice, education program, or educational activity on the basis of **race, color, religious creed, sex, age, national origin, ancestry, marital status, sexual orientation, gender identity or expression, disability (including, but not limited to, intellectual disability, past or present history of mental disorder, physical disability or learning disability), genetic information, or any other basis prohibited by Connecticut state and/or federal nondiscrimination laws. The Office of Early Childhood does not unlawfully discriminate in employment and licensing against qualified persons with a prior criminal conviction and provides equal access to school facilities and school premises to Boy Scouts and other designated youth groups.** Inquiries regarding the Office of Early Childhood's nondiscrimination policies should be directed to:

Levy Gillespie
Equal Employment Opportunity Director/American with Disabilities Act Coordinator
Connecticut State Department of Education
25 Industrial Park Road
Middletown, CT 06457
860-807-2101
Levy.Gillespie@ct.gov

AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER